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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	SJO920030020US1	Total Pages	32
First Named Inventor or Application Identifier					
Richard Victor Kisley					
		Express Mail Label No.	ER032358151US		

U.S. PTO  
22154 630191  
2210 07/30/03

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		Commissioner for Patents ADDRESS TO: Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450			
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Specification (Total Pages) <u>25</u> <i>(Preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Application</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to Microfiche Appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Pages) <u>5</u></p> <p>4. Oath or Declaration (Total Pages) <u>2</u> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> </p> <p>5. <input type="checkbox"/> Incorporation by Reference (<i>useable if Box 4b is checked</i>) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p>		<p>6. <input type="checkbox"/> Microfiche Computer Program (<i>Appendix</i>)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>)       <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Copy</li> <li>b. <input type="checkbox"/> Paper Copy (<i>identical to computer copy</i>)</li> <li>c. <input type="checkbox"/> Statement verifying identify of above copies</li> </ul> </p>			
<b>ACCOMPANYING APPLICATION PARTS</b>					
<p>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney</p> <p>10. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)</p> <p>11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Statement(s) Status still proper and desired</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>if foreign priority is claimed</i></p> <p>16. <input checked="" type="checkbox"/> Other: Express Mail Certificate</p>					

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.:

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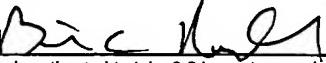
NAME	Brian C. Kunzler				
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COUNTRY	United States	TELEPHONE	(801) 994-4646		FAX (801) 531-1929
<b>Assign Name:</b> INTERNATIONAL BUSINESS MACHINES CORPORATION <b>Assign Residence:</b> Armonk, New York					

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<b>FEE TRANSMITTAL</b>		<i>Complete If Known</i>	
		Application Number	Not yet assigned
		Filing Date	July 30, 2003
		First Named Inventor	Richard Victor Kisley
		Group Art Unit	
		Examiner Name	
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>\$1306</b>	<b>Attorney Docket Number</b>	SJO920030020US1

<b>METHOD OF PAYMENT (check one)</b>		<b>FEES CALCULATION (continued)</b>																																																							
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>2053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2520</td> <td>1812</td> <td>2520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1840*</td> <td>1805</td> <td>1840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	2053	130	Non-English specification		1812	2520	1812	2520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month	
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<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Allowance <input type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of																																																									
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1004	750	2004	375	Reissue filing fee																																																					
1005	160	2005	80	Provisional filing fee																																																					
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<b>2. CLAIMS</b>																																																									
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Ind. Claims	<u>7</u>	- 3 = <u>4</u>	x <u>84</u> = <u>336</u>																																																						
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1201	84	2201	42	Independent claims in excess of 3																																																					
1203	280	2203	140	Multiple dependent claim																																																					
<b>SUBTOTAL (2)</b>		<b>\$ 516</b>																																																							
*Reduced by Basic Filing Fee				<b>SUBTOTAL (3)</b> <b>\$ 40</b>																																																					

<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Typed or Printed Name <u>Brian C. Kunzler</u>				Reg. Number	38,527
Signature 		Date	Jul 30, 2003	Deposit Account User ID	

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PATENT APPLICATION  
Docket No.: SJO920030020US1

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Date of Deposit: July 30, 2003

I hereby certify that this patent application in the name of Richard Victor Kisley for APPARATUS, METHOD, AND SYSTEM FOR ASYNCHRONOUS REPLICATION OF A HIERARCHICALLY-INDEXED DATA STORAGE, together with the drawings, a Declaration, Power of Attorney, and Petition, an Assignment and Recordation Form Cover Sheet, Information Disclosure Statement, PTO Form 1449, and Copies of Cited References are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,



Brian C. Kunzler  
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Attorney for Applicant

Date: July 30, 2003  
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